## CLAIMS

1. (Amended). A compound represented by the general formula (II) or a salt thereof:

[Formula 1]

wherein  $R^1$ ,  $R^2$  and  $R^3$  each independently represent a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, provided that at least one of  $R^1$ ,  $R^2$  and  $R^3$  does not represent a hydrogen atom;  $R^{41}$  represents a group represented by  $R^{401}CO$ - where  $R^{401}$  represents a hydrogen atom, a unsaturated chain hydrocarbon group which may have a substituent, an alicyclic hydrocarbon group which may have a substituent or a aromatic hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, or a group represented by  $R^{402}S(O)_m$ - where  $R^{402}$  represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, and m is an integer of 1 or 2;  $R^{42}$  represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms; and  $R^5$  represents a carboxyl group which may have a substituent.

7.

8. (Amended) A peptidylarginine deiminase 4 inhibitor comprising, as the active ingredient, a compound represented by the general formula (II') or a salt thereof:

[Formula 5]

$$R^{1}$$
 $N$ 
 $N$ 
 $N$ 
 $N$ 
 $CH_{2}$ 
 $CH_{3}$ 
 $CH_{42}$ 
 $CH_{42}$ 
 $CH_{42}$ 
 $CH_{42}$ 

wherein  $R^1$ ,  $R^2$  and  $R^3$  each independently represent a hydrogen atom or an alkyl group having 1 to 3 carbon atoms, provided that at least one of  $R^1$ ,  $R^2$  and  $R^3$  does not represent a hydrogen atom;  $R^{41'}$  represents a group represented by  $R^{401'}$ CO- where  $R^{401'}$  represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, or a group represented by  $R^{402}S(O)_{m^-}$  where  $R^{402}$  represents a hydrogen atom, a hydrocarbon group which may have a substituent or a heterocyclic group which may have a substituent, and m is an integer of 1 or 2;  $R^{42}$  represents a hydrogen atom or an alkyl group having 1 to 3 carbon atoms; and  $R^5$  represents a carboxyl group which may have a substituent.

9.

10. The peptidylarginine deiminase 4 inhibitor according to Claim 8, which is used for the prevention and/or treatment of diseases associated with peptidylarginine deiminases.